



Reliable Electronic Solutions

RoHS-COMPLIANT INFORMATION CHART

**RoHS-compliant refers to no Pb, Cd, Cr+6, Hg, PBB or PBDE unless use exempted or within allowable limits.
RoHS 5/6 refers to no Cd, Cr+6, Hg, PBB or PBDE – Pb solder or Pb plating present (Telecom exemption).**

Bourns Product Line	RoHS-Compliant From Initial Design Release	Models Available in Non-RoHS Standard Model	RoHS Compliant Part Number Suffix Change	Date Part Series released as RoHS Compliant	Date Code Part Series released as RoHS Compliant	EOL (Non-RoHS compliant models)
Ceramic PTC Resettable Fuse CMF-RL, CMF-RLC, CMF-SD	Yes	No		6Z	6Z	
Chip Arrays CAT, CAY	No	Yes	LF	4-1-03	0314	11-1-06
Chip Beads MA, MH, MG, MU, MT, MZ	Yes			6-1-03	0324	
Chip Diodes CD0402, 0603, 0805, 1005, 1206, 1408, 2010, 2320, SOD323, CD214A-F, 214A-R, 214B-F, CD214B-R, 214C-F, 214C-R	Yes			1-1-03 1-1-05 6-1-05 6-1-05	0301 0501 0522 0522	CD2419 10-31-06
Chip Diodes CD214A-B, 214A-TxxA/CA, 214B-B CD214B-TxxA/CA, 214C-B, 214C-T xxA/CA, CD216A, 1607	No	Yes	LF	1-1-05	0501	214A-T, 214B-T, 214C-T (both std and LF) 12-31-06
Chip Diode Arrays CDNBS08, CDNBS16, CDSOT23, CDSOT236, CDWBS16	Yes			1-1-05	0501	
ChipGuard® (CG Series) MLA, MLC, MLD, MLE	Yes (except MLC)	No		MLC Q3 04	MLC Q3 04	
Chip Inductors CM, CC series	No	No	L	1-1-05	0501	
Chip Inductors CE, CF, CI, CS, CV and CW Series	Yes			6-1-03	0326	
Chip Resistors CR Series	No	Yes	LF	4-1-03	0314	11-1-06
Chokes DR221, DR331, DR332AE, SM-73818E	Yes			11-01-04	0444	
DC-DC Converters (Legacy)	No	Special Request Only	LF			
DC-DC Converters X (T) Series X & XT	Yes			7-05		
DC-DC Converters 3A X, 5A, 10A, 16A	Yes					
Digi-guard MSP						
Dials: CT-23, CT-26, H-22, H-23, H-46, H-491, H-492, H-493, H-494, H-506, H550	Yes	Part number has not and will not change				
Digital Subscriber Line Products (DSL)						
Encoders: 3315	No	No	L	Q4 2005		
EAW, EC, EN, EPS, ES	No	No	L	9-30-05		EAW 8-1-06
EM14, PEC11, PEC12, PEC16	Yes	Part number has not and will not change				
Filters PT61004, PT61005, PT61008	No	Yes	L	Q3 05	0528	

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Fuel Cards (3714X Series)	Yes	Custom parts				
Gas Discharge Tube (GDT) 20xx	No	Yes	LF	1Q 2005	0305	
Gas Tube Protectors 2022-xx, 2374-01, 2375-01, 2377-xx, 2378-xx, 2410-xx, 2420-xx	No	No, 5/6 exemption				
Hybrids	No	Custom parts				
Inductors (Through-hole) RLB, PT121, FSR, LPA and LPV	No	Yes	L	6-1-05	0524	
Integrated Passive & Active Devices (Chip Scale Packaging) 2FAA, 2FAD, 2FAH	No	Yes	LF	1-1-05	0501	
Integrated Passive & Active Devices (DFN/QFN packaging) 2FAA, 2FAB, 2FAE, 2FAF, 2FAG, 2FAI, 2FAJ, 2FAK, 2FAL, 2FAM, 2FAN	Yes					
Integrated Passive & Active Devices 2CFA, 2CFB, 2CTA, 2CTE, 2DAA, 2DAB, 2DAC, 2DAD, 2DEA, 2DEB, 2DIP, 2DTA, 2DTF, 2DTG, 2NBS, 2QSP	No	Yes	LF	1-1-05	0501	
JW Miller	No	Yes (on selected models)	RC	1-1-05	0501	7-1-07
Line Protection Modules (Surge Networks)	No	Yes	LF	1-31-07	0701	
Linear Motion Potentiometers 3046, 3048	Yes					
Magnetic connectors PT442xx	Yes			06-01-06	0622	
MF-D	Yes			7-8-02	N/A	
MF-LR and MF-LS	Yes			7-8-02	2189T	
MF-MSMF, MF-NSMF	Yes			11-18-03	113X	
MF-R (small) & MF-R (large)	No	No	-99 (note 2)	3-31-05	0512	
MF-R/90	Yes			7-9-02	2190S	
MF-R/600	Yes			5-1-03	35001K	
MF-RG	Yes			7-9-02	5106A	
MF-RHT	Yes			7-8-04	4190S	
MF-RX	No	No	-99 (note 2)	3-31-05	0512	
MF-RX/72	Yes			4-19-04	4110S	
MF-RX/250	Yes			5-1-03	35001K	
MF-S and MF-SVS	Yes			7-9-02	2190S	
MF-SM (small) & MF-SM (large)	No	No	-99 (note 2)	3-31-05	0512	
MF-SM/250	Yes			7-9-02	B2	
MF-SM/250V	Yes			5-1-03	A5	
MF-SMDF	Yes			4-19-04	5041	
MF-SMHT	Yes			7-9-02	B2	
MF-USMF	Yes			6-8-04	6L	
MF-VS and MF-VSN	Yes			7-8-02	2190S	

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Modular Contacts	Yes 70AAJ & 70AAM	No		70ADH-x-MLx 8-1-05 70ADJ-x-MLx 8-1-05 70ADH-2,3,6-FLx 12-1-05 70ADH-4,5-FLx 8-1-05 70ADJ-2,3,6-FLx 12-1-05 70ADJ-4,5-FLx 8-1-05		
Networks (models 4600X, M, H; 4800P)	No	Yes	LF	1-1-05	0501	4600X, H, M - 12-1-06
Networks (models 4100R, 4300H,M, R)	No	Yes	LF	1-1-05	0501	
Networks (models 4100T; 4300K,S,T; 4400T, 4800T)	No	Yes	L	1-1-05	0501	
Networks (model 4400P)	No	No	LF	1-1-05	0501	4400P - 1-1-05
NID box without protectors (protectors listed under GDT)	Yes					
Panel Controls (Single Turn) 39	Yes					
52	No					Discontinued 12/06
51, 53	No	No	L			EOL Std model 9-29-06
81, 82, 85, 86, 91, 92, 93, 94, 95, 96, 99	No	No	L			
87, 88, 89						Discontinued 12/06
PC	No	No	L			EOL Std model 9-29-06
PDA17, PDB12, PDB18, PDV, PTA, PTB, PTD90, PTH90, PTJ90, PTM90, PTP90, PTR90, PTT111, PTV09, PTV111, PTV142	Yes	Part number has not and will not change				
3310	No	No	L	Q4 2004		
3851, 3852, 3856, 3862	No	No	L			
Panel Controls (Multi-turn) 83, 84	No	No	L			
Power Chokes (non-shielded) SDRxxxx Series (excluding those below)	No	No	L	6-1-04	0424	6-30-05
Power Chokes (non shielded) SDRxxxx series: 1030, 1045, 1305, 7030, 7045	Yes			6-1-04	0424	
Power Chokes (shielded) SRRxxxx Series excl. those below	Yes			6-1-04	0424	
Power Chokes (shielded) SRR Series: 0603, 0604, 0618, 0906, 0908, 1205, 1206, 1208, 1305, 3011, 4011, 6603	No	No	L	6-1-04	0424	6-30-05
Power Chokes (shielded) SRP xxxx and SRUxxxx Series	Yes					
Power Resistors PWR220F,S, 3920S, 10020S, CHF	Yes					
Precision Potentiometers (Digital Push Button) 3680 series	No	No	L	5-3-06		
Precision Potentiometers (Multi-turn) 3600	No					Discontinued 12/06
3610	No	Yes				
3400, 3500, 3501, 3700, 3701, 3750, 3751	No	No	L	12-31-05		

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3540, 3541, 3543, 3545	No	No	L	5-31-06		12-31-06
3547, 3548, 3549	Yes	Part number has not and will not change				
3590	No	No	L	5-21-06		
Precision Potentiometers (Single turn) 6534, 6537, 6538, 6539, 6574, 6637, 6638, 6639, 6657, 6674	Yes	Part number has not and will not change				
3435	No			Will be phased out		
Sealed Protectors J130S, 356H						
Signal and Dataline Protectors						
Slide Controls – PDV, PTA, PTB, PTE, PTF, PTL, PTS	Yes					
Switches (DIP) SDHH, SDM, SND	Yes					12-31-06 (family obsoleted)
Switches (Rotary) 7813, 7814	Yes					
Switches (Rotary) 7829	No	Yes	LF	1-05	0501	
Switches (Tact) 7914	Yes					
Switches (Tact) SDT, SDTM, ST_W, STJN-4, STJN-5, STSM, STSS	Yes					12-31-06 (family obsoleted)
Telefuse™ B1250T and B0500T	Yes					
Thermodisc (TOD)	Custom parts					
Transformers	No	Yes	L			
SM-LP-500xE	Yes			3-27-05	0514	
SM7xxxx ; SMxxx	No	Yes	L	3-1-05	0508	
LM-NP/-LP	No	Yes	L	9-1-05	0538	
PTxxx	No	Yes	L	3-1-05	0508	
PT610xx	No	Yes	L	3-1-05	0508	
RF2, 3, 4	No	Yes	L	9-1-05	0538	
Trimmers – Consumer (Surface Mount Cermet) 3302, 3303, 3364, TC03, TC33, TC33B, TC86, TC89	No Yes TC33	No		4-1-04		
Trimmers – Consumer (Surface Mount Carbon) TC73	Yes	Part number has not and will not change				
Trimmers – Consumer (Through Hole Cermet) 3306, 3309	Yes	Part number has not and will not change				
Trimmers – Consumer (Through Hole Carbon) 3318, 3319	No	No		6-1-04		
Trimmers – Industrial (Surface Mount) 3269, 3361	No	Yes	LF	3-1-05	0509	
Trimmers – Industrial (Surface Mount) 3214, 3223, 3224, 3313, 3314, 3342	No	No		3-1-05	0509	
Trimmers – Industrial (Through Hole Cermet) 20, 3006, 3009, 3059, 3082, 3252, 3262, 3266, 3269, 3292, 3296, 3299, 3329, 3339, 3352, 3362, 3386	No	Yes	LF	3-1-05	0509	
Trimmers – Industrial (Through Hole Wirewound) 3005, 3057, 3250, 3260, 3290, 3345	Yes	Part number has not and will not change				
Trimmers – Military (Cermet) RJ12, RJ22, RJ24, RJR24, RJ26, RJR26, RJ50, RJR50	No	Military part numbers has not changed. No RoHS version available.				

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Trimmers – Military (Wirewound) RT12, RT22, RTR22, RT24, RTR24, RT26, RTR26	No	Military part numbers has not changed. No RoHS version available.				
<u>TISP – (Thyristor Surge Protectors)</u> TISP1xxxH3BJR, TISP3xxxT3BJR, TISP4xxxxxBJR, TISP4xxxxxAJR, TISP5xxxH3BJR No	No	No	-S	3-5-2004	0419	
TISPxxxxF3DR, TISP6xxxxxxDR, TISP82xxxDR, TISPPBLxDR	No	No	-S	6-5-2004	0419	
TISPxxxxF3SL, TISPxxxxH3SL	No	No	-S	6-5-2004	0419	
TISP4xxxxLM, TISP4xxxxLMR, TISP4xxxxLMFR	No	No	-S	1-12-04	0449	
TISP6xxxxHDMR, TISP9xxxLDMR	Yes	No	-S	1-9-04	0436	
TISP4AxxxxxBJR, TISP4CxxxxxBJR	No	No	-S	3-5-04	0419	
TISPxxxxx, TISP4xxxLP, TISP4xxxF3LP	No	No	-S	1-12-04	0449	
<u>TRANSISTORS</u> BDxxx, BDxxxx, BDTxx, BDTxxx, BDVxx, BDVxxx, BDWxx, BDWxxx, BDXxx, BDXxxx, BUxxx, BUTxx, BUVxx, BUXxx, TIPxx, TIPxxx, TIPLxxx, TIPLxxxx, TIPPxx, TIPxxx	No	No	-S	1-12-04	0449	
<u>SCRs & TRIACS</u> TICxxx, TICPxxx, TICCxxxxR	No	No	-S	1-12-04	0449	
<u>LIGHTING PRODUCTS</u> BULxxx, Y1112, Y1112L	No	No	-S	1-12-04	0449	

- 1 Cadmium oxide glass is used in some resistor/conductor inks. Cd-free inks are now used in all Trimmer Industrial (surface mount) 3214, 3223, 3224, 3313 and 3314 and Trimmer LF models as of March 1, 2005 with date code 0509.
- 2 During the changeover to RoHS compliant production, a -99 suffix has been applied to identify the RoHS compliant parts. Since all production as of March 31, 2005 is now RoHS compliant, the suffix -99 is no longer needed but can still be used where that identification is preferred.