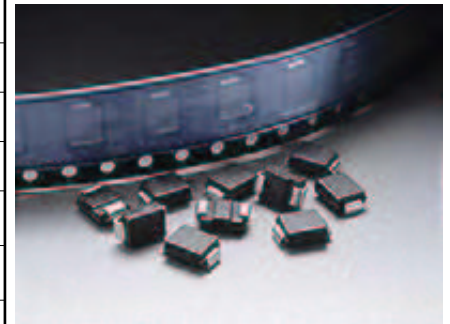


Part: SMTBJ050A
Series: SMTBJ Series - SIDACtor® Protector Thyristor For Telecommunications Applications
Technology: SIDACtor® Devices

PARAMETERS		
Package Type	Pkg Type	Surface Mount
Mount Method	Mount	Surface Mount
Package Size/Form Factor	size	DO-214AA
Pins for Peak Off-state Voltage V_{DRM1}	Pins (V_{DRM1})	
Peak Off-state Voltage	V_{DRM1} (V)	50
Switching Voltage	$V_S @ V_{DRM1}$ (V)	80
Pins for Peak Off-state Voltage V_{DRM2}	Pins (V_{DRM2})	
Peak Off-state Voltage	V_{DRM2} (V)	
Switching Voltage	$V_S @ V_{DRM2}$ (V)	
On-state Voltage	V_T MAX (V)	0.0000
On-state forward Voltage	V_F (V)	
Leakage Current	I_{DRM}	1
Switching Current	I_S MAX (mA)	50
Holding Current	I_H MIN (mA)	150
Minimum Off-state Capacitance	C_O (pF) Min	
Maximum Off-state Capacitance	C_O (pF) Max	
Peak Pulse Current - $2 \times 10 \mu s$	$I_{PP} 2 \times 10 \mu s$ (A)	0
Peak Pulse Current - $8 \times 20 \mu s$	$I_{PP} 8 \times 20 \mu s$ (A)	150
Peak Pulse Current - $10 \times 160 \mu s$	$I_{PP} 10 \times 160 \mu s$ (A)	0
Peak Pulse Current - $10 \times 560 \mu s$	$I_{PP} 10 \times 560 \mu s$ (A)	0
Peak Pulse Current - $10 \times 1000 \mu s$	$I_{PP} 10 \times 1000 \mu s$ (A)	50
Peak Pulse Current - $5 \times 310 \mu s$	$I_{PP} 5 \times 310 \mu s$ (A)	0
Peak Pulse Current - $5 \times 320 \mu s$	$I_{PP} 5 \times 320 \mu s$ (A)	0
Peak Pulse Current - $10 \times 700 \mu s$	$I_{PP} 10 \times 700 \mu s$ (A)	0
Peak One-cycle Surge Current	$I_{TSM} 60Hz$ (A)	30
Rate of Rise of Current	di/dt MAX (A/ μs)	0
Certifications	Cert	



PROTECTS AGAINST:
Lightning Transients
Telecom - Tip and Ring