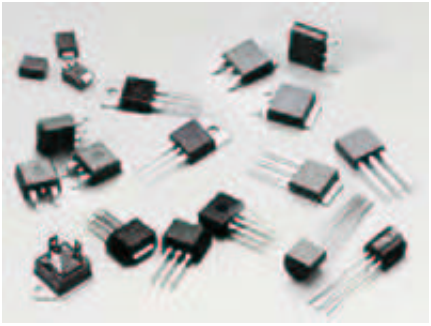
Part: Q2010L5
Series: Teccor® Triac Devices
Technology: Triacs



PARAMETERS		
Package Type	Pkg Type	Radial Leaded
Mount Method	Mount	Through Hole
Critical Rate-of-rise of On-state Current	di/dt (A/µs)	70
Critical rate-of-rise of off-state voltage	dv/dt @ 100°C (V/µs)	350
Critical rate-of-rise of off-state voltage	dv/dt @ 125°C (V/µs)	225
Critical Rate-of-rise of Commutation Voltage of a Triac (commutating dv/dt)	dv/dt(c) TYP (V/µs)	4
Repetitive Peak off-state Current	I_{DRM} @ 100°C max (mA)	0.5000
Repetitive Peak off-state Current	I_{DRM} @ 110°C MAX (mA)	0.0000
Repetitive Peak off-state Current	I_{DRM} @ 125°C max (mA)	2.0000
Repetitive Peak off-state Current	I_{DRM} @ 25°C max (mA)	0.0500
Gate Trigger Current - Q4	I_{GT} Q4 TYP (mA)	75
Peak gate trigger current	I_{GTM} (A)	1.8000
RMS Surge (Non-repetitive) On-state Fusing Current	I^2t (A^2Sec)	60.0000
Average Gate Power Dissipation	$P_{G(AV)}$ (Watts)	0.5000
Peak Gate Power Dissipation	P_{GM} (Watts)	20
Package Size / Form Factor	Size	TO-220
Gate-controlled Turn-on time	T_{GT} TYP (µs)	3.0000
Maximum Gate Trigger Voltage	V_{GT} MAX @ 125°C (V)	0.2000
Gate Trigger Voltage	V_{GT} MAX @ 25°C (V)	2.5000
Peak on-state voltage a maximum rated RMS current	V_{TM} (V)	1.6000
Maximum On-state Current	$I_{T(RMS)}$ MAX (A)	10
Repetitive Peak Off-state Voltage	V_{DRM} MIN (V)	200
Gate Trigger Current - Q1	I_{GT} Q1 MAX (mA)	50
Gate Trigger Current - Q2	I_{GT} Q2 MAX (mA)	50
Gate Trigger Current - Q3	I_{GT} Q3 MAX (mA)	50
Gate Trigger Current - Q4	I_{GT} Q4 MAX (mA)	0
Maximum Holding Current	I_H MAX (mA)	50
Surge (Non-repetitive) On-state current	I_{TSM} @ 60Hz (A)	120
Surge (Non-repetitive) On-state current	I_{TSM} @ 50Hz (A)	100
Certifications	Cert	