

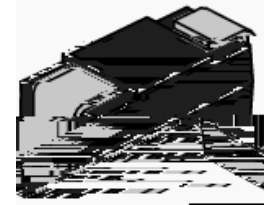


CP4800SC TSS

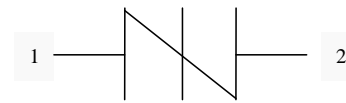
Rev.3.2

DESCRIPTION:

CP4800SC is a type of semiconductor component. It is used for digital SPC switch, gigabit IP router, equipment ground insulation, computer etc.



SMB



Symbol

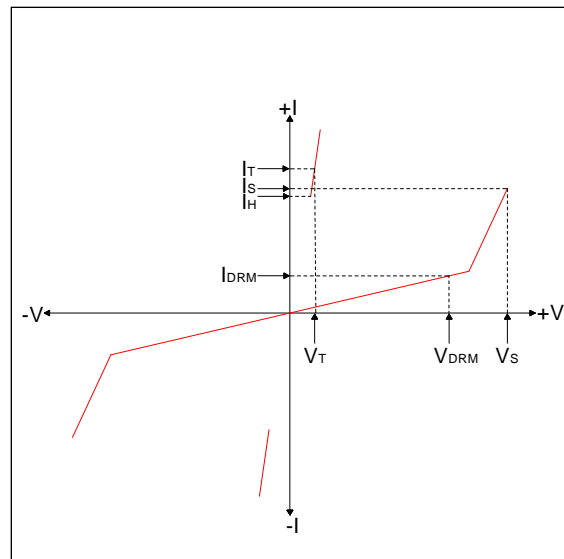
File package.
state voltage.
capability of absorbing transient surge.
response to surge voltage (ns Level).
overvoltage caused by fast rising transients.
sensitivity level: Level 1.
000-4-2 (ESD) ±30kV (air), ±30kV (contact).
Non degenerative.

ABSOLUTE MAXIMUM RATINGS (TA=25°C, RH=45%-75%, unless otherwise noted)

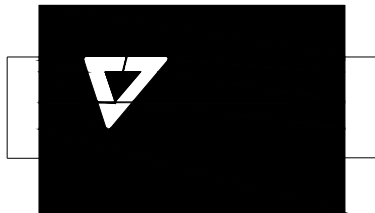
Table with 4 columns: Parameter, Symbol, Value, Unit. Rows include Storage temperature range, Operating junction temperature range, and Repetitive peak pulse current.

ELECTRICAL CHARACTERISTICS (TA=25)

Table with 2 columns: Symbol, Parameter. Lists various electrical characteristics like VDRM, IDRM, VS, IS, VT, IT, IH, and Co.



MARKING



P48C : Device Marking Code
1409: In ninth week, 2014

SOLDERING PARAMETERS

Reflow Condition		Pb-Free assembly (see FIG.2)
Pre Heat	-Temperature Min ($T_{s(min)}$)	+150
	-Temperature Max($T_{s(max)}$)	+200
	-Time (Min to Max) (ts)	60-180 secs.
Average ramp up rate (Liquidus Temp (T_L) to peak)		3 /sec. Max
$T_{s(max)}$ to T_L - Ramp-up Rate		3 /sec. Max
Reflow	-Temperature(T_L) (Liquidus)	+217
	-Temperature(t_L)	60-150 secs.
Peak Temp (T_p)		+260(+0/-5)
Time within 5 of actual Peak Temp (t_p)		30 secs. Max
Ramp-down Rate		6 /sec. Max
Time 25 to Peak Temp (T_P)		8 min. Max
Do not exceed		+260

FIG.1: tr x td pulse waveform

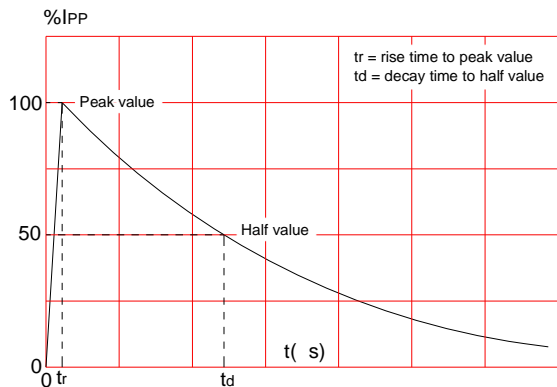
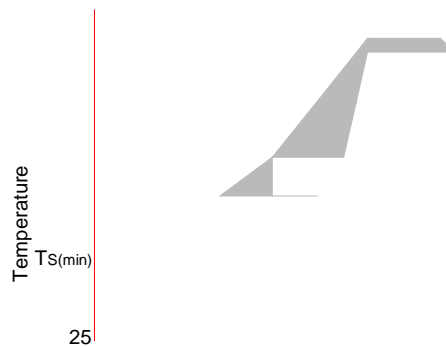



FIG.2: Reflow condition



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