

DD84SCLS

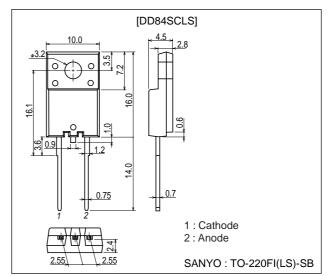
Damper Diode for Ultrahigh-Definition Display Applications

Features

- High breakdown voltage(VRRM=1600V).
- · High reliability.
- One-point fixing type plastic molded package facilitating mounting and heat dissipation.
- Fast forward/reverse recovery time.

Package Dimensions

unit : mm 1253A



Specifications

Absolute Maximum Ratings at Ta=25°C

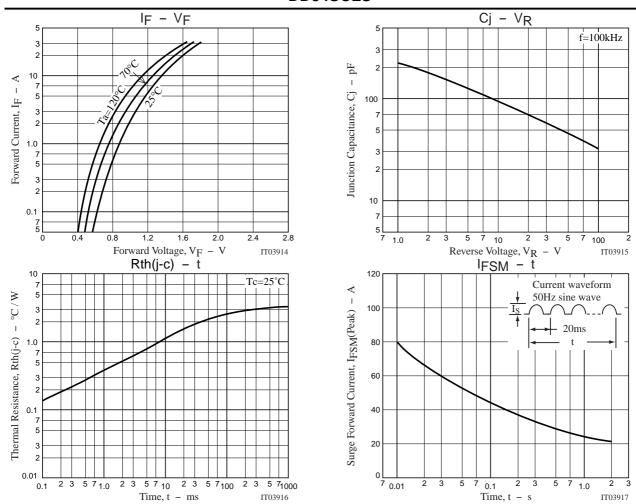
Parameter	Symbol	Conditions	Ratings	Unit
Repetitive Peak Reverse Voltage	VRRM		1600	V
Non-repetitive Peak Reverse Voltage	VRSM		1600	V
Average Output Current	lo		8	Α
Peak Output Current	IOP	PW≤100μs, duty≤50%	32	А
Surge Forward Current	IFSM	Sine wave, 10ms	80	Α
Junction Temperature	Tj		150	°C
Storage Temperature	Tstg		-55 to +150	°C

Electrical Characteristics at Ta=25°C

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	Offic
Reverse Voltage	٧R	I _R =1mA	1600			V
Forward Voltage	٧F	IF=8A			1.8	V
Reverse Current	IR	V _R =1000V			200	μΑ
Reverse Recovery Time	t _{rr}	I _F =100mA, I _R =100mA			1.5	μs
Forward Recovery Time	t _{fr}	IF=100mA		0.1	0.2	μs
Junction Capacitance	Cj	V _R =10V, f=100kHz		90		pF
Thermal Resistance	Rth(j-c)	Junction-Case			3.4	°C/W

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