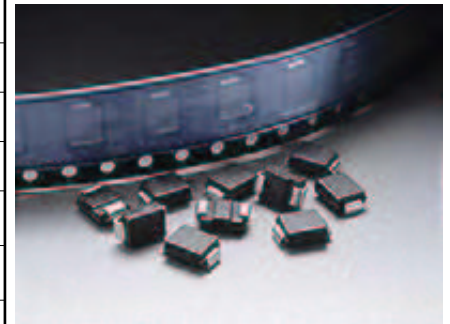


Part: CR0300SA
 Series: CR Series - SiBOD™ Thyristor Protectors For Telecommunications Applications
 Technology:SIDACtor® Devices

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 $V_{\text{DRM} < /sub>-1}$	$V_{\text{DRM} 1}$	
Peak Off-state Voltage	$V_{\text{DRM} 1} \text{ (V)}$	25
Switching Voltage	$V_S @ V_{\text{DRM} 1} \text{ (V)}$	40
Pins for Peak Off-state Voltage $V_{\text{DRM} < /sub>-2}$	$V_{\text{DRM} 2}$	
Peak Off-state Voltage	$V_{\text{DRM} 2} \text{ (V)}$	
Switching Voltage	$V_S @ V_{\text{DRM} 2} \text{ (V)}$	
On-state Voltage	$V_T \text{ MAX (V)}$	5.0000
On-state forward Voltage	$V_F \text{ (V)}$	
Leakage Current	I_{DRM}	5
Switching Current	$I_S \text{ MAX (mA)}$	800
Holding Current	$I_H \text{ MIN (mA)}$	150
Minimum Off-state Capacitance	$C_O \text{ (pF) Min}$	100.0
Maximum Off-state Capacitance	$C_O \text{ (pF) Max}$	100
Peak Pulse Current - $2 \times 10 \mu\text{s}$	$I_{\text{PP}} 2 \times 10 \mu\text{s (A)}$	0
Peak Pulse Current - $8 \times 20 \mu\text{s}$	$I_{\text{PP}} 8 \times 20 \mu\text{s (A)}$	0
Peak Pulse Current - $10 \times 160 \mu\text{s}$	$I_{\text{PP}} 10 \times 160 \mu\text{s (A)}$	100
Peak Pulse Current - $10 \times 560 \mu\text{s}$	$I_{\text{PP}} 10 \times 560 \mu\text{s (A)}$	50
Peak Pulse Current - $10 \times 1000 \mu\text{s}$	$I_{\text{PP}} 10 \times 1000 \mu\text{s (A)}$	0
Peak Pulse Current - $5 \times 310 \mu\text{s}$	$I_{\text{PP}} 5 \times 310 \mu\text{s (A)}$	0
Peak Pulse Current - $5 \times 320 \mu\text{s}$	$I_{\text{PP}} 5 \times 320 \mu\text{s (A)}$	0
Peak Pulse Current - $10 \times 700 \mu\text{s}$	$I_{\text{PP}} 10 \times 700 \mu\text{s (A)}$	0
Peak One-cycle Surge Current	$I_{\text{TSM}} 60\text{Hz (A)}$	20
Rate of Rise of Current	$di/dt \text{ MAX (A/}\mu\text{s)}$	0
Certifications	Cert	



OBSOLETE 2004-01-01