

SURFACE MOUNT TRANSIENT VOLTAGE SUPPRESSOR

REVERSE VOLTAGE: 5.0--- 24V
POWER : 400 W

FEATURES

- Improved leakage current, maximum of 5 μ A @ 5Vdc
- Maximum capacitance @ 0 Vdc Bias of 1.2 pF between terminals 1-3 or terminals 2-3
- IEC61000-4-2 esd 15kV Air, 8kV contact compliance
- IEC61000-4-5 lightning 17 Amps peak, 8x20 usec waveform
- Pb free product are available : 99% Sn above can meet RoHS environment substance directive request

MECHANICAL DATA

Case: SOT-23, plastic

Terminals: solderable per MIL-STD-750, Method 2026

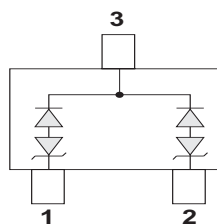
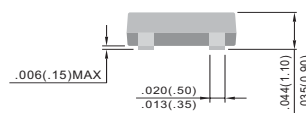
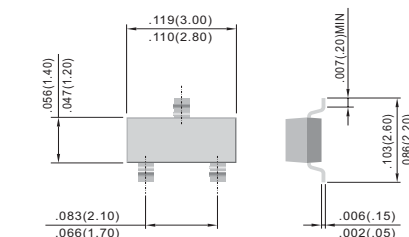
Approx. Weight : 8mg

Marking : PJDLC05 : T2S

PJDLC12 : DJ2

PJDLC15 : DJ5

PJDLC24 : DJ4



SOT-23

Unit: inch (mm)

MAXIMUM RATINGS

PJDLC05						
Parameter	Symbol	Conditions	Minimum	Typical	Maximum	Units
Reverse Stand-Off Voltage	V_{RWM}				5	V
Reverse Breakdown Voltage	V_{BR}	$I_i=1mA$	6			V
Reverse Leakage Current	I_R	$V_{RWM} = 5V,$ $T = 25^{\circ}C$			20	μA
Clamping Voltage	V_C	$I_{PP} = 1A$ $t_p = 8/20 \mu S$			9.8	A
Clamping Voltage	V_C	$I_{PP} = 5A$ $t_p = 8/20 \mu S$			11	V
Peak Pulse Current	I_{PP}	$t_p = 8/20 \mu S$			17	A
Junction Capacitance	C_J	Pin 1 to 2 $V_R = 0V, f = 1MHZ$			5	pF

PJDLC05~PJDLC24

PJDLC12						
Parameter	Symbol	Conditions	Minimum	Typical	Maximum	Units
Reverse Stand-Off Voltage	V_{RWM}				12	V
Reverse Breakdown Voltage	V_{BR}	$I_T=1mA$	13.3			V
Reverse Leakage Current	I_R	$V_{RWM} = 5V,$ $T = 25^{\circ}C$			1	μA
Clamping Voltage	V_C	$I_{PP} = 1A$ $t_p = 8/20 \mu S$			19	A
Clamping Voltage	V_C	$I_{PP} = 5A$ $t_p = 8/20 \mu S$			24	V
Peak Pulse Current	I_{PP}	$t_p = 8/20 \mu S$			12	A
Junction Capacitance	C_J	Pin 1 to 2 $V_R = 0V, f = 1MHZ$			5	pF

PJDLC15						
Parameter	Symbol	Conditions	Minimum	Typical	Maximum	Units
Reverse Stand-Off Voltage	V_{RWM}				24	V
Reverse Breakdown Voltage	V_{BR}	$I_T=1mA$	26.7			V
Reverse Leakage Current	I_R	$V_{RWM} = 5V,$ $T = 25^{\circ}C$			1	μA
Clamping Voltage	V_C	$I_{PP} = 1A$ $t_p = 8/20 \mu S$			43	A
Clamping Voltage	V_C	$I_{PP} = 5A$ $t_p = 8/20 \mu S$			55	V
Peak Pulse Current	I_{PP}	$t_p = 8/20 \mu S$			5	A
Junction Capacitance	C_J	Pin 1 to 2 $V_R = 0V, f = 1MHZ$			5	pF

PJDLC24						
Parameter	Symbol	Conditions	Minimum	Typical	Maximum	Units
Reverse Stand-Off Voltage	V_{RWM}				24	V
Reverse Breakdown Voltage	V_{BR}	$I_T=1mA$	26.7			V
Reverse Leakage Current	I_R	$V_{RWM} = 5V,$ $T = 25^{\circ}C$			1	μA
Clamping Voltage	V_C	$I_{PP} = 1A$ $t_p = 8/20 \mu S$			43	A
Clamping Voltage	V_C	$I_{PP} = 5A$ $t_p = 8/20 \mu S$			55	V
Peak Pulse Current	I_{PP}	$t_p = 8/20 \mu S$			5	A
Junction Capacitance	C_J	Pin 1 to 2 $V_R = 0V, f = 1MHZ$			5	pF

RATING AND CHARACTERISTIC CURVES

