

8Φ AXIAL LEAD GDT

Features

- ◆ RoHS Compliant
- ◆ Long Service Life
- ◆ Low Capacitance (<1.5pF)
- ◆ High Surge Capability

Surge Compliance

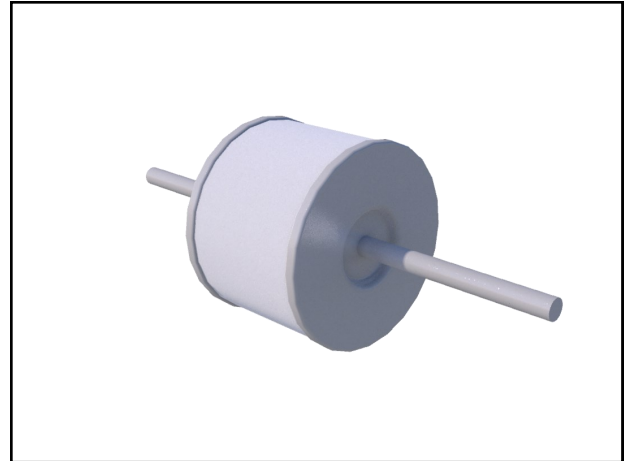
- ◆ IEC 61000-4-5
- ◆ ITU-T K.21
- ◆ ITU-T K.12

Application

- ◆ T1/E1
- ◆ SLIC Line Interface
- ◆ ADSL/ISDN Line Interface
- ◆ Ethernet
- ◆ CATV
- ◆ Power Supplies

Mechanical Characteristics

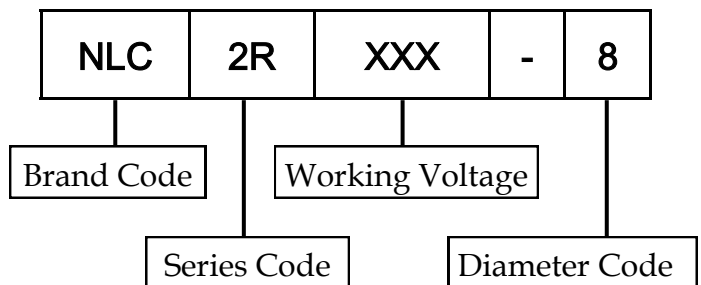
- ◆ 8 x 6 mm
- ◆ Weight 0.5 Gram (Approximate)
- ◆ Lead Free Plating
- ◆ Box Packing
- ◆ 500 PCS/Box



2R-8 Series Gas Discharge Tube

Certification	File Number
	E363592

Ordering Information



DEVICE CHARACTERISTICS

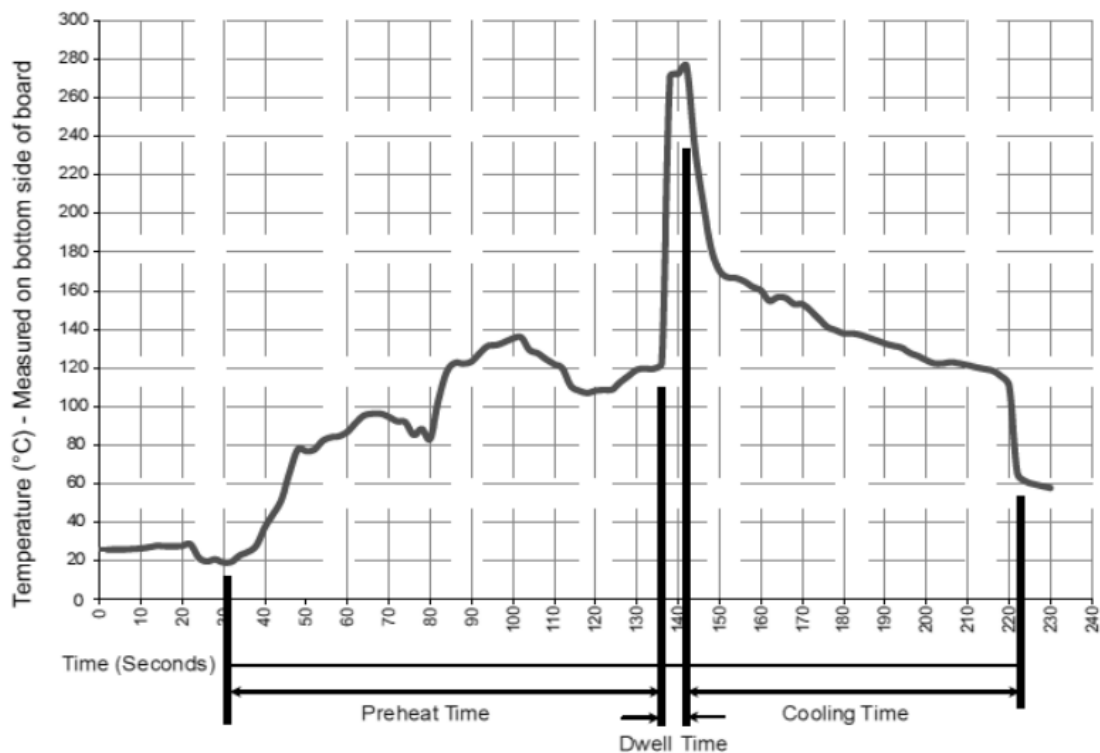
Maximum Rating			
Parameter	Symbol	Value	Units
Surge Current – 60Hz *Note	I _{AC}	10	A
Capacitance	C _O	1.5	pF
Operating Temperature Range	T _J	-40~85	°C
Storage Temperature Range	T _{STG}	-40~85	°C

Electrical Characteristics (@25 °C)							
Part Number	DC Break-down	Impulse Breakdown	Impulse Discharge Current	Impulse Life	Insulation Resistance	Insulation Resistance	Insulation Resistance
	100V/s	1KV/us	8/20us	100A @ 10/1000us	50 VDC	100 VDC	250 VDC
	(Volt)	(Volt)	(KA)	(Times)	(GΩ)	(GΩ)	(GΩ)
NLC2R090-8	90 ± 20%	600	10	500	1	-	-
NLC2R150-8	150 ± 20%	600	10	500	1	-	-
NLC2R230-8	230 ± 20%	700	10	500	-	1	-
NLC2R300-8	300 ± 20%	850	10	500	-	1	-
NLC2R350-8	350 ± 20%	900	10	500	-	1	-
NLC2R400-8	400 ± 20%	950	10	500	-	1	-
NLC2R420-8	420 ± 20%	950	10	500	-	-	1
NLC2R470-8	470 ± 20%	1000	10	500	-	-	1
NLC2R600-8	600 ± 20%	1200	10	500	-	-	1
NLC2R800-8	800 ± 20%	1400	10	500	-	-	1

SOLDERING CONDITION

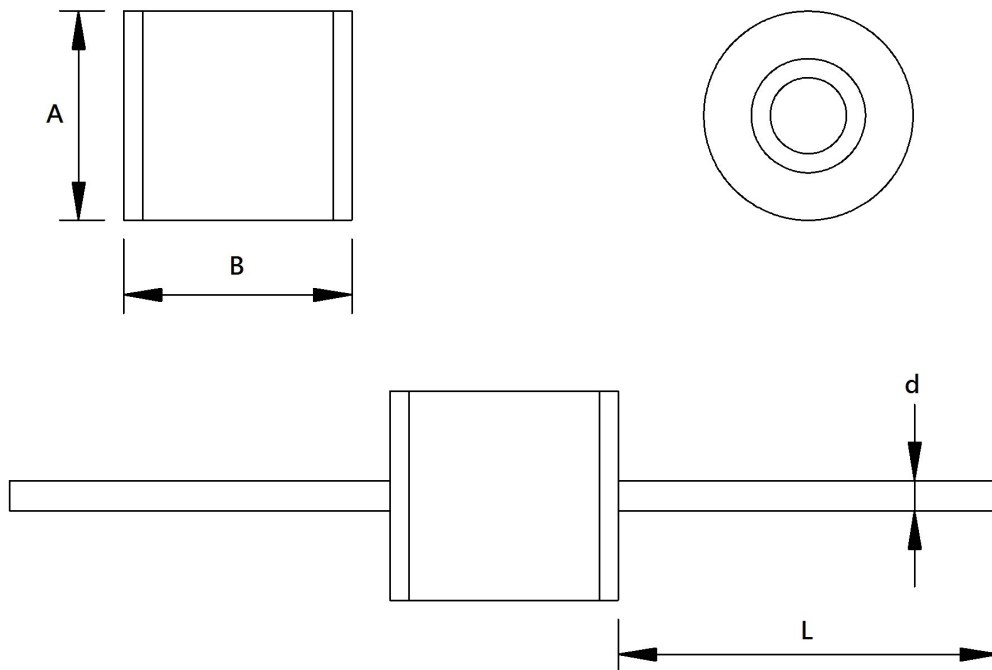
Wave Soldering Condition		
Pre-Heat	Temperature Min T_{SMin}	100°C
	Temperature Max T_{SMax}	150°C
	Time Min to Max t_s	60 ~ 180 sec
Solder Pot Temperature T_P (MAX)		280°C
Solder Dwell Time		2~5 sec

Hand Soldering Condition	
Solder Iron Temperature T_{IRON} (MAX)	350°C
Heating Time T_H (MAX)	2~5 sec



DIMENSION

Outline Dimension				
Symbol	Millimeters		Inches	
	Min	Max	Min	Max
A	7.7	8.3	0.303	0.327
B	5.7	6.3	0.224	0.248
L	30	-	1.181	-
d	0.75	0.85	0.029	0.033



Revision History	Modification Description
Rev.1.10	Re-organize Series Models