

4532 SURFACE MOUNT GDT

Features

- ◆ RoHS Compliant
- ◆ Long Service Life
- ◆ Low Capacitance (<0.5pF)
- ◆ Small Size

Surge Compliance

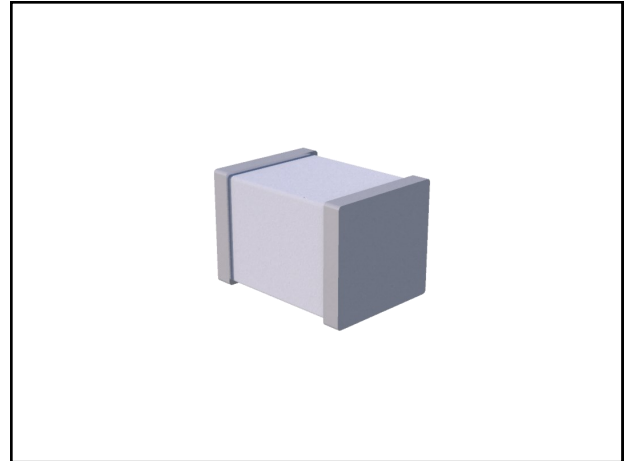
- ◆ IEC 61000-4-5
- ◆ ITU-T K.21
- ◆ ITU-T K.12

Application

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

Mechanical Characteristics

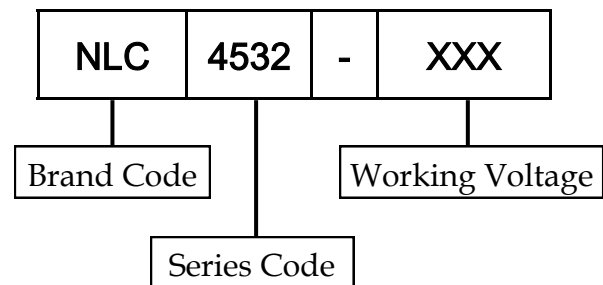
- ◆ 4.5 x 3.2 x 2.7 mm
- ◆ Weight 0.2 Gram (Approximate)
- ◆ Lead Free Plating
- ◆ Reel Size 13"
- ◆ 2,500 PCS Per Reel



4532 Series Gas Discharge Tube

Certification	File Number
	E363592

Ordering Information



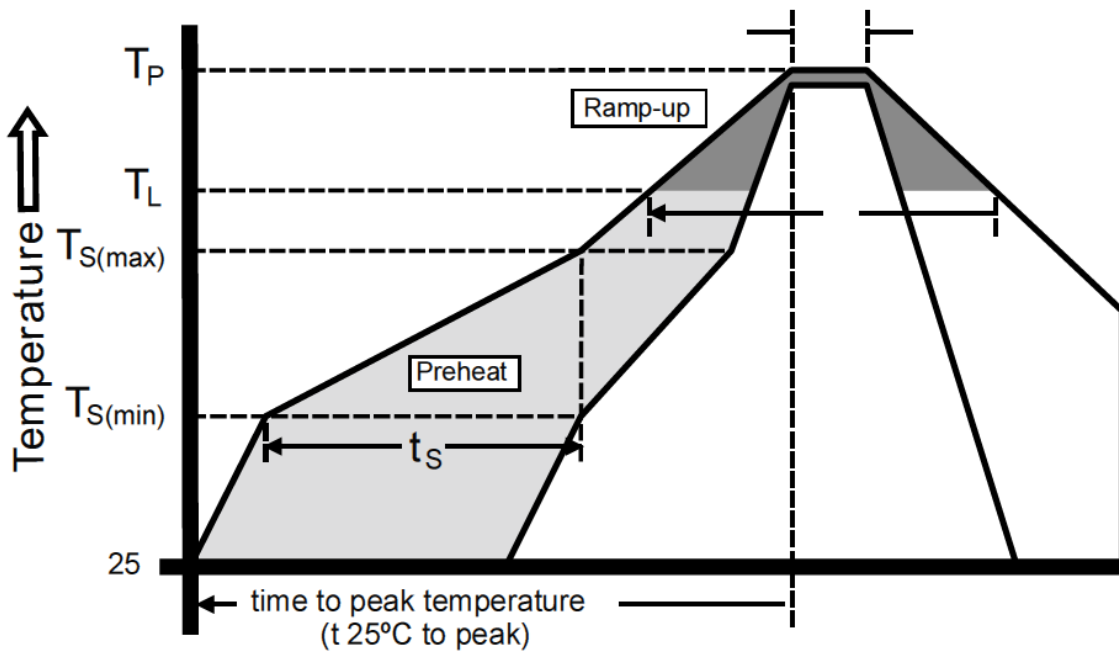
DEVICE CHARACTERISTICS

Maximum Rating			
Parameter	Symbol	Value	Units
Surge Current – 60Hz	I _{AC}	2	A
Lead Soldering Temperature	T _L	260	°C
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	C _o
	100V/s	1KV/us	8/20us	100A @ 10/1000us	50 VDC	100 VDC	@ 1MHz
	(Volt)	(Volt)	(A)	(Times)	(GΩ)	(GΩ)	(pF)
NLC4532-075	75 ± 30%	600	2000	300	1	-	0.5
NLC4532-090	90 ± 30%	600	2000	300	1	-	0.5
NLC4532-150	150 ± 30%	750	2000	300	1	-	0.5
NLC4532-200	200 ± 30%	750	2000	300	-	1	0.5
NLC4532-230	230 ± 30%	750	2000	300	-	1	0.5
NLC4532-300	300 ± 30%	800	2000	300	-	1	0.5
NLC4532-350	350 ± 30%	850	2000	300	-	1	0.5
NLC4532-400	400 ± 30%	900	2000	300	-	1	0.5
NLC4532-470	470 ± 30%	950	2000	300	-	1	0.5
NLC4532-600	600 ± 30%	1050	2000	300	-	1	0.5

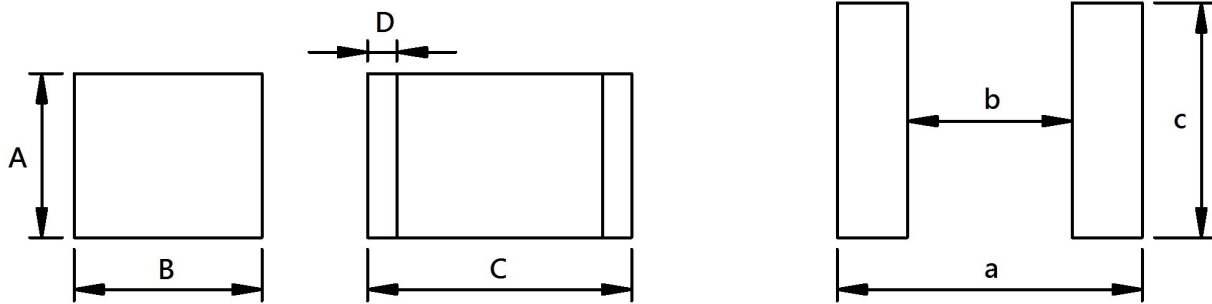
REFLOW PROFILE

Reflow Condition		
Pre-Heat	Temperature Min T_{SMin}	150°C
	Temperature Max T_{SMax}	200°C
	Time Min to Max t_s	60 ~ 180 sec
Average Ramp up Rate to Peak T_L		3°C/sec
T_{SMax} to T_L Ramp up Rate		5°C/sec
Reflow	Temperature T_L	217°C
	Time t_L	60 ~ 150 sec
Peak Temperature T_P		260°C
Time within 5°C of T_P		10 ~ 30 sec
Ramp Down Rate		6°C/sec
Time 25°C to T_P		8 min
Do Not Exceed		260°C



DIMENSION

Outline Dimension				
Symbol	Millimeters		Inches	
	Min	Max	Min	Max
A	2.6	3.2	0.102	0.126
B	2.9	3.5	0.114	0.137
C	4.2	4.8	0.165	0.189
D	0.4	0.6	0.157	0.236
a	5.2		0.205	
b	2.8		0.110	
c	4.0		0.157	



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