

Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

Techflex TSN1.00SV

For any questions, you can email us directly: <u>sales@integrated-circuit.com</u>



THERMA SHIELD

FLAT

EXTREME TEMPERATURE Technical Data Sheet

Economical And Easy To Install

- **Cuts Easily With Scissors**
- Reflects Radiant Heat
- Insulates Delicate Wires And Components
- Resists Gasoline And Engine Chemicals



Scissors

Material Aluminum Laminated Fiberglass

Grade TSN

Wall Thickness .025"

Drawing Number TF001TS-WD



Nominal Size	Part #	Wall Thickness ±0.006"	Bulk Spool	Shop Spool	Available Colors	Lbs/ 100'
1″	TSN1.00SV	0.025″	250′	100′	Silver (SV)	1.60
1 1/2″	TSN1.50SV	0.025″	250′	100′	Silver (SV)	2.00
2″	TSN2.00SV	0.025″	250′	100′	Silver (SV)	2.75
3″	TSN3.00SV	0.025″	250′	100′	Silver (SV)	4.30
4″	TSN4.00SV	0.025″	250′	100′	Silver (SV)	5.60
5″	TSN5.00SV	0.025″	200′	100′	Silver (SV)	7.60
6″	TSN6.00SV	0.025″	100′	50′	Silver (SV)	9.20
6 7/8″	TSN6.88SV	0.025″	100′	50′	Silver (SV)	10.90

Put-Ups

Reflective Aluminized Surface Bonded To Insulating Fiberglass

THERMASHIELD creates a buffer between your wires, hoses and cables and the high temperature environments they are required to perform in. ThermaShield is engineered by laminating an aluminum heat shield to a layer of strong fiberglass insulation. This system provides superior protection from radiant heat by reflecting it away from sensitive electronics, wiring and hoses.

THERMASHIELD FLAT (TSN) protects surfaces exposed to extreme heat with TSN. An aluminum laminated fiberglass sheet with a full coating of permanent, high temperature adhesive, applies directly to any clean surface. Ideal solution for protecting delicate electronic component boxes mounted close to engines or other heat sources. When applied, the aluminum laminate reflects heat away and the insulating fiberglass backing protects the fragile contents from thermal damage and failure.

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Silver (SV)



Distributor of Techflex: Excellent Integrated System Limited Datasheet of TSN1.00SV - THERMASHIELD FLAT 1" SLV 250"

EXTREME TEMPERATURE Technical Data Sheet



2100*

18004

1500 1200 900

600

300

-300



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Abrasion Resistance Very High

Abrasion Test Machine Taber 5150

Abrasion Test Wheel Calibrase H-18

Abrasion Test Load 500a

Room Temperature 70°F

Humidity 57%

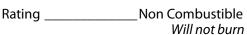
Foil Layer Worn Through 1,000 Test Cycle

Fiberglass Layer Worn Through - Material Destroyed 1,300 Test Cycles

Pre-Test Weight 10,804.3 mg

Post-Test Weight 9,918.5 mg

Test End Loss Of Mass Point Of Destruction 885.8 mg



Maximum	Continuous
riax I IIIUIII	
	Mil-I-23053
49	1°F (255°C)

2,048°F (1,120°C)

Melt Point

ASTM D-2117

Minimum Continuous -76°F (-60°C)



TEMPERATURES

OPERATING

CHEMICAL RESISTANCE

1=No Effect 4=More Affected 2=Little Effect 5=Severely Affected 3=Affected

Aromatic Solvents	_ 1
Aliphatic Solvents	
Chlorinated Solvents	
Weak Bases	
Salts	_ 1
Strong Bases	_ 1
Salt Water 0-S-1926	_ 1
Hydraulic Fluid <i>MIL-H-5606</i>	_ 1
Lube Oil <i>MIL-L-7808</i>	_ 1
De-Icing Fluid MIL-A-8243	_ 1
Strong Acids	_ 2
Strong Oxidants	_ 2
Esters/Ketones	_ 1
UV Light	_ 1
Petroleum	_ 1
Fungus ASTM G-21	_ 1
Halogen Free	Yes
RoHS	Yes

PHYSICAL PROPERTIES

Flammability Rating _Non Co	mbustible
Recommended Cutting	Scissor
Colors	1
Wall Thickness	.025

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