

TacCover TCM-0015/25-F Materials for Cover-lay

TacCover TCM-0015/25-F material for cover-layer offers unique features that make it possible lower loss & lower noise at the RF/Microwave and High Speed digital application.

TacCover TCM-0015/25-F offers more stable PIMD performance, lower dissipation factors and insertion loss properties. These advanced materials also has lower friction coefficient and moisture absorption which leads better long term reliability.

With its exceptionally stable electrical performance, chemical stability and long term reliability, these advanced material is the best choice for being used in the fabrication of phase shifter in antennas, interconnections and devices.

Features and Benefits :

- Lower DF
- Long term reliability
- Lower Friction coefficient
- Tight thickness Control
- Lower Moisture absorption

Applications :

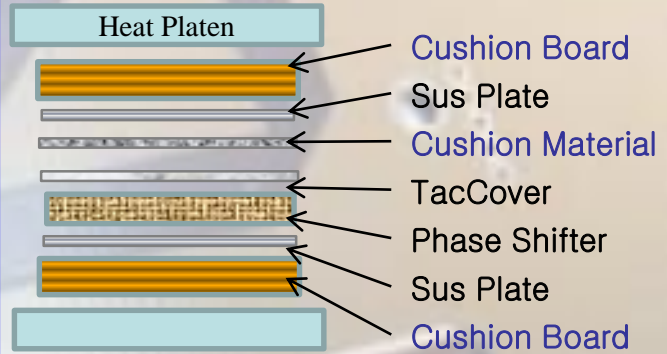
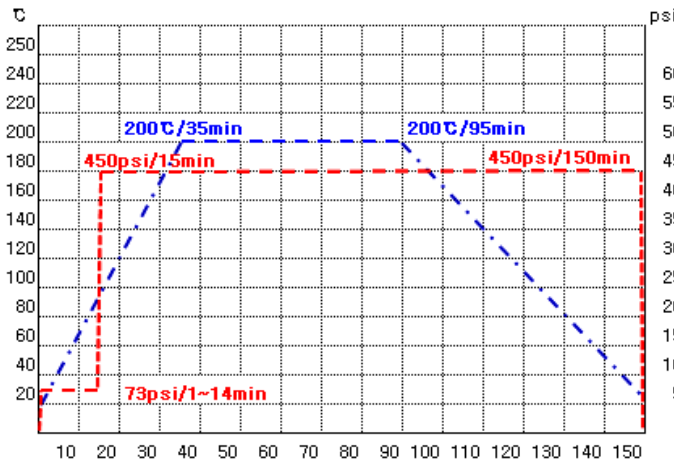
- Phase shifter
- Interconnections
- Passive component

TacCover TCM-0015/25-F TYPICAL VALUES

Items	Units	Value	Test Methods
Overall Thickness	μm	63	IPC-TM 650 2.2.18
	mil	2.5	
Adhesive Thickness	μm	25	IPC-TM 650 2.2.18.1
	mil	1.0	
Material DK (after)press	-	2.6	IPC-TM 650 2.5.5.5.1 Mod
Material DF (tan δ)	-	0.003	IPC-TM 650 2.5.5.5.1 Mod
Coefficient of friction	-	0.1~0.25	IPC-TM 650 2.5.5.5.1 Mod
Resin Flow	%	4.5	IPC-TM 650 2.3.17.1
Water Absorption	%	0.02%	IPC-TM 650 2.6.2.1

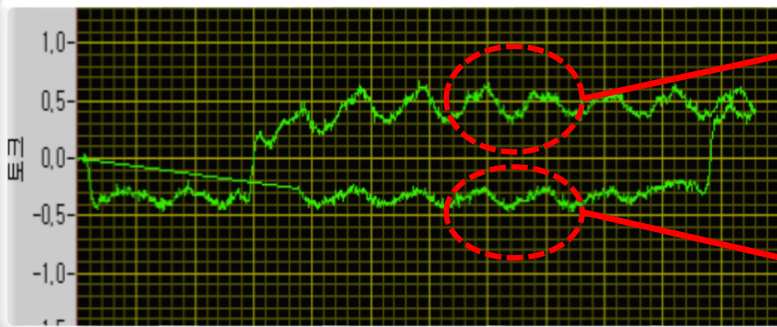
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Recommended lamination and Lay-up



- ※ Followings or equivalents are recommended ;
- ▷ Cushion Board – UKP187g/sqm 13~14sheets
- ▷ Cushion Material – 5~7mil skived film

Lower friction force(torque) and smooth sliding benefits



PSR/PSR : Big variation in torque
(upper 0.85/bottom -1.0 Kgf)

PSR/TacCover : lower & less variation in torque -> smooth sliding
(upper 0.55/bottom -0.59 Kgf)

All reported values are typical and should not be used for specification purposes. In all instances, the user shall determine suitability In any given application.