

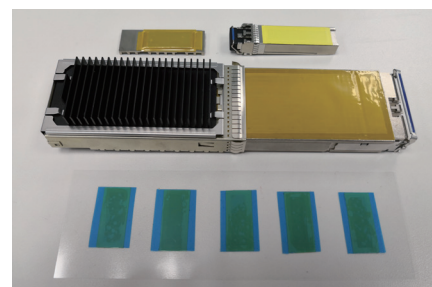
RTM-X Pluggable TIM

High Thermal Conductivity Phase Change

Material with Multiple Pluggable Capability

Honeywell RTM-X, a pluggable thermally conductive Phase Change Material (PCM), offers multiple pluggable performance. It is designed to minimize thermal resistance at interfaces, maintain excellent performance through reliability testing, and provide scalable application at a competitive cost.

Based on a novel polymer PCM system, Polyimide (PI) film was used as substrate, allowing direct contact of PCM to provide multiple pluggable performance. The edge is coated with pressure sensitive adhesive (PSA) to provide adhesion with other devices. This material exhibits excellent wetting at interfaces during typical operating temperature ranges, resulting in very low surface contact resistance.



TYPICAL APPLICATIONS

Heat Dissipation for
Removable Modules in
Telecom and Datacom
Applications

STORAGE CONDITION

Refer to product label

Properties	Unit	Test Method	Typical Value	
			RTM-X1	RTM-X22
Thermal Impedance	oC.cm2/W	ASTM D5470 modified	1.2	0.7
Pluggable performance	times		> 50	> 50
Breakdown strength	VAC/mm	ASTM D149	> 5000	> 5000
Thickness	mm		0.15~0.22	0.15~0.22

Honeywell Electronic Materials

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