


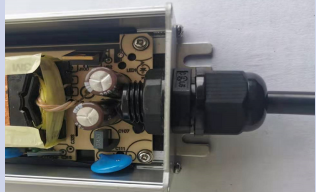


# HEP / GST series for 62368 outdoor use

Applications	Example	Component	Requirement	HEP series	GST series	Conclusion
<b>External Power Supply</b> (Installed and exposed to outdoor environment)		<b>Enclosure</b>	1. Metallic chassis shall be resistant to corrosion 2. Non-metallic enclosure shall be resistant to UV radiation	OK (Aluminum alloy)	Fail, but the alternative enclosure material Sabic 940(f1) is qualified for the UV requirement	1. GST series should be Installed inside the end product. 2. HEP series exposed to outdoor environment should comply with following conditions: <ul style="list-style-type: none"> <li>➢ Gasket should be resistant to UV radiation.</li> <li>➢ Specified wire should be used for UV+ Wet location (ex: SJTW, SOOW)</li> <li>➢ Wire fixing mechanism should be provided to comply with strain relief test (refer to a wire fixing design below).</li> </ul>
		<b>Wires</b>	UV+ Wet location	OK (Used type SJTW, SOOW)	Fail	
		<b>Gasket</b>	Shall provide a protection against UV Radiation	Fail (Material shall comply with CCN:JMLU2)	Fail (Material shall comply with CCN:JMLU2)	
		<b>Strain relief test</b>	Input/output wire shall comply with strain relief test	Fail (Cable tie and potting compound are not reliable)	OK	
<b>Built-in Power Supply</b> (Installed inside the end product)	  	<b>Enclosure</b>	Evaluated in end-product	N/A	N/A	
		<b>Wires</b>	Evaluated in end-product	N/A	N/A	
		<b>Gasket</b>	Evaluated in end-product	N/A	N/A	
		<b>Strain relief test</b>	Evaluated in end-product	N/A	N/A	