

### ***Times Protect***<sup>™</sup> versus POLYPHASER COMPETITIVE CROSS – REFERENCE

POLYPHASER	<i>Times-Protect</i> <sup>™</sup>	TIMES-PROTECT <sup>™</sup> ADVANTAGES	NOTES
IS-B50LN-C2 IS-B50NX-C2 IS-NEMP-C2  IS-B50LN-C2-MA IS-50NX-C2-MA IS-NEMP-C2-MA  IS-B50LN-C2-ME IS-50NX-C2-ME IS-NEMP-C2-ME	LP-BTR50NFF “ “  LP-BTR50NMS “ “  LP-BTR50NMP “ “	<ul style="list-style-type: none"> <li>• Lower Insertion Loss and Return Loss</li> <li>• Solid brass body vs. aluminum</li> <li>• White bronze body plating vs. aluminum</li> <li>• Better performance @ 10kA multiple strikes vs. PPC not meeting their own spec</li> </ul>	Universal mounting bracket in development for bulkhead and flange will satisfy all configurations.
DSXL DSXLMA DSXLME	LP-STRNFF LP-STRNMS LP-STRNMP	<ul style="list-style-type: none"> <li>• Broader frequency range (800-2500MHz vs. 800-2300MHz)</li> <li>• Much lower energy throughput (700pJ vs. &lt;0.5uJ)</li> <li>• Better PIM &lt;-160dBc at 900/1800/2100MHz vs. non-published</li> <li>• Much higher surge current rating 50kA (as tested) vs. 20KA for PPC</li> <li>• Much higher RF power @ 500W vs. 300W for PPC</li> <li>• Weatherization (body) to IP67 vs. IP65 for PPC</li> </ul>	PPC provides different performance data depending on source (catalog, web-site), etc. PIM data supplied at single frequency on customer request only.
DSXL-D DSXL-D-MA DSXL-D-ME	LP-STRDFF LP-STRDMS LP-STRDMP	<ul style="list-style-type: none"> <li>• Broader frequency range (800-2500MHz vs. 800-2300MHz)</li> <li>• Much lower energy throughput (700pJ vs. &lt;0.5uJ)</li> <li>• Better PIM &lt;-160dBc at 900/1800/2100MHz vs. non-published</li> <li>• Much higher surge current rating 100kA (as tested) vs. 30KA for PPC</li> <li>• Much higher RF power @ 700W vs. 500W for PPC</li> <li>• Weatherization (body) to IP67 vs. IP65 for PPC</li> </ul>	PPC provides different performance data depending on source (catalog, web-site), etc. PIM data supplied at single frequency on customer request only.
GT-DFF-AL GT-DFM-AL	LP-GTRDFF LP-GTRDFM	<ul style="list-style-type: none"> <li>• Weatherization (body) to IP67 vs. IP65 for PPC</li> <li>• Solid brass body vs. aluminum</li> <li>• White bronze plating vs. aluminum</li> <li>• Replaceable protection component vs. non-replaceable with PPC</li> </ul>	PPC may be lower cost due to non-replaceable design and aluminum construction.
RGT RGT-ME	LP-GTRNFF LP-GTRNFM	<ul style="list-style-type: none"> <li>• Broader frequency range (DC-3000MHz vs. DC-2400MHz)</li> <li>• Weatherization (body) to IP67 vs. IP65 for PPC</li> <li>• Solid brass body</li> <li>• White bronze plating</li> <li>• Phosphor bronze silver plated center pin</li> </ul>	This comparison is for the replaceable design from PPC, not the aluminum N type.