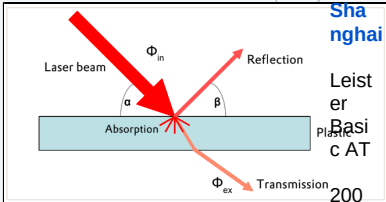
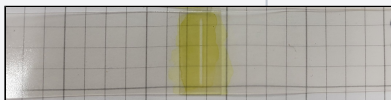
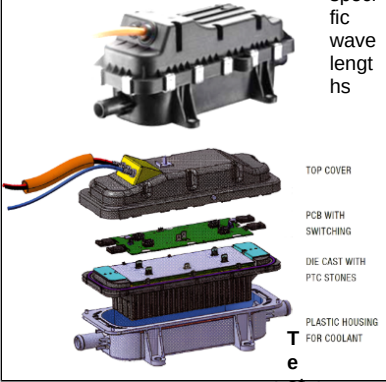
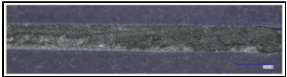


Laser Welding OLD

LASER TRANSMISSIVE MATERIALS			THEORY, KNOWLEDGE, & MODELS		CAPABILITIES	
Commercial Laser Transmissive "Black" Grades	Thicknesses	Absorbing Layer	Introduction to Laser Welding			
R-3-410BL LZT	1mm	R-4-270BL, BR11BL		Laser Welding Database	Ongoing updated database that contains historical data, laser settings, laser transmission values, etc	EQUIPMENT
	1.5mm	R-4-270BL, R-4-240BL				
A-1130 HS LZT BK979	1mm	R-4-270BL, R-4-240BL	Target Applications	Hermetically sealed parts, electrical connectors, sensors, switches, e-water pump, e-ATF pump, slot liners	Alpha Lambda 950 50W Fiber Laser @1064nm	
	2mm	A-1625 HS BK324				
AE-8940 LZT BK979	1mm	A-1625 HS BK324				
	2mm	AE-8940				
A-1145 HS LZT BK979	1mm	AE-8940				
	2mm	A-1625 HS BK324				
AE-8930 LZT (inactive)	1mm	AE-8935, AE-8940, AE-8950, AE-9933, AE-9950				
	2mm	AE-8935 BK				
Laser Welding Transmissive on Transmissive using "clearweld" dye						
					Tessing	

Weld Strength Lap shear testing for weld strength	
Microscopy Imaging to analyze cohesion at weldline	

Laser Welding Team			
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