



600-700nm OPTICAL ISOLATORS

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DESCRIPTION

ISOWAVE isolators for the 600-700nm range offer 2 or 5mm clear apertures, fixed or tunable operation, single or semi-double models and the following power ratings:

- Low – Absorptive glass plate
- Medium – Glan Taylor polarizers (no escape ports)
- High – Glan Taylor polarizers with dual escape ports

Also available are Faraday rotators (no polarizers)

FEATURES

- Wavelength Optimization
- Wide Tuning Range
- High Isolation
- Low Insertion Loss
- Removable Mounting foot

MODEL NUMBER	Clear Aperture	Isolation Minimum / Typical	Ins Loss Typical / Maximum	Transmission Minimum / Typical	Diameter	Length	Power Handling	Tunable	Broad-band
	mm	dB	dB	%	inch / mm	inch/mm	W/cm2	Yes/No	Yes/No
600-700 nm									
I-633-FR-2	2	30 / 35	0.2	95	1.0 / 25.4	1.0 / 25.4	300	N	N
I-633-2-L	2	38 / 40	1.4/1.6	69/72	1.0 / 25.4	1.0 / 25.4	10	N	N
I-633-2-L-LH	2	38 / 40	1.4/1.6	69/72	1.0 / 25.4	2.40 / 61	10	N	N
I-633-2-M	2	38 / 40	0.5 / 0.7	85 / 89	1.0 / 25.4	2.32 / 59	100	N	N
I-633-2-M-LH	2	38 / 40	0.5 / 0.7	85 / 89	1.0 / 25.4	3.54 / 90	100	N	N
I-633-2-H	2	38 / 40	0.5 / 0.7	85 / 89	1.0 / 25.4	2.91 / 74	250	N	N
I-670-FR-2	2	30 / 35	0.2	95	1.0 / 25.4	1.0 / 25.4	300	N	N
I-670-2-L	2	38 / 40	1.4/1.6	69/72	1.0 / 25.4	1.0 / 25.4	10	N	N
I-670-2-L-LH	2	38 / 40	1.4/1.6	69/72	1.0 / 25.4	2.40 / 61	10	N	N
I-670-2-M	2	38 / 40	0.5 / 0.7	85 / 89	1.0 / 25.4	2.32 / 59	100	N	N
I-670-2-H	2	38 / 40	0.5 / 0.7	85 / 89	1.0 / 25.4	2.91 / 74	250	N	N
I-670-2-PBS	2	38 / 40	0.5 / 0.7	85 / 89	1.0 / 25.4	4.13 / 105	250	N	N
I-6070-C-2-L	2	35 / 38	1.4/1.6	69/72	1.0 / 25.4	2.40 / 61	10	N	Y
I-6070-C-2-M	2	35 / 38	0.5 / 0.75	84 / 89	1.0 / 25.4	3.54 / 90	100	N	Y
I-6070-C-2-H	2	35 / 38	0.5 / 0.75	84 / 89	1.0 / 25.4	4.13 / 105	250	N	Y
I-633-SD-2-PBS	2	35 / 38	0.5 / 0.75	84 / 89	1.0 / 25.4	4.13 / 105	250	N	N
I-67-FR-5	5	30 / 35	0.2	95	1.375 / 34.9	3.07 / 78	300	N	N
I-67-T-5-L	5	38 / 40	1.4/1.6	69/72	1.375 / 34.9	4.12 / 105	10	Y	N
I-67-T-5-M	5	38 / 40	0.5 / 0.7	85 / 89	1.375 / 34.9	4.12 / 105	100	Y	N
I-67-T-5-H	5	38 / 40	0.5 / 0.7	85 / 89	1.375 / 34.9	5.01 / 127	250	Y	N
I-6070-C-5-L	5	38 / 40	1.4/1.6	69/72	1.375 / 34.9	4.12 / 105	10	Y	Y
I-6070-C-5-M	5	38 / 40	0.5 / 0.75	84 / 89	1.375 / 34.9	4.12 / 105	100	Y	Y
I-6070-C-5-H	5	38 / 40	0.5 / 0.75	84 / 89	1.375 / 34.9	5.01 / 127	250	Y	Y
I-67-SD-5-L	5	50 / 55	1.8 / 2.3	56 / 66	1.375 / 34.9	4.12 / 105	10	Y	N
I-67-SD-5-M	5	55 / 60	1.0 / 1.5	70 / 79	1.375 / 34.9	4.12 / 105	100	Y	N
I-67-SD-5-H	5	55 / 60	1.0 / 1.5	70 / 79	1.375 / 34.9	5.01 / 127	250	Y	N

Model Number Options

FR = Faraday Rotator (45 +/- 3 degrees rotation, no polarizers)
L, M, H = Polarizer Power Level Options: Low, Medium, High
C = Compensated: Broadband Isolation: 30dB over +/-50nm
T = Tunable: Input polarizer may be rotated to maximize isolation
SD = Semi Double: Single center polarizer, two rotator isolator.

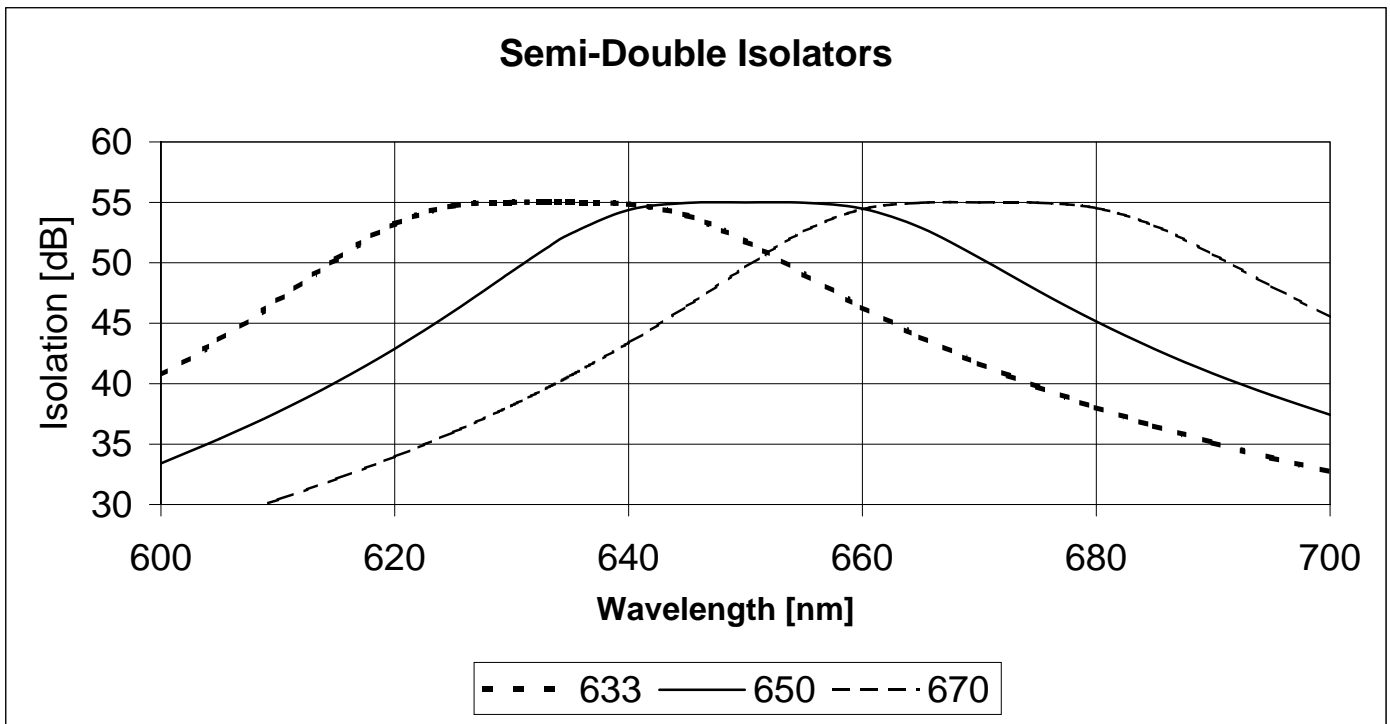
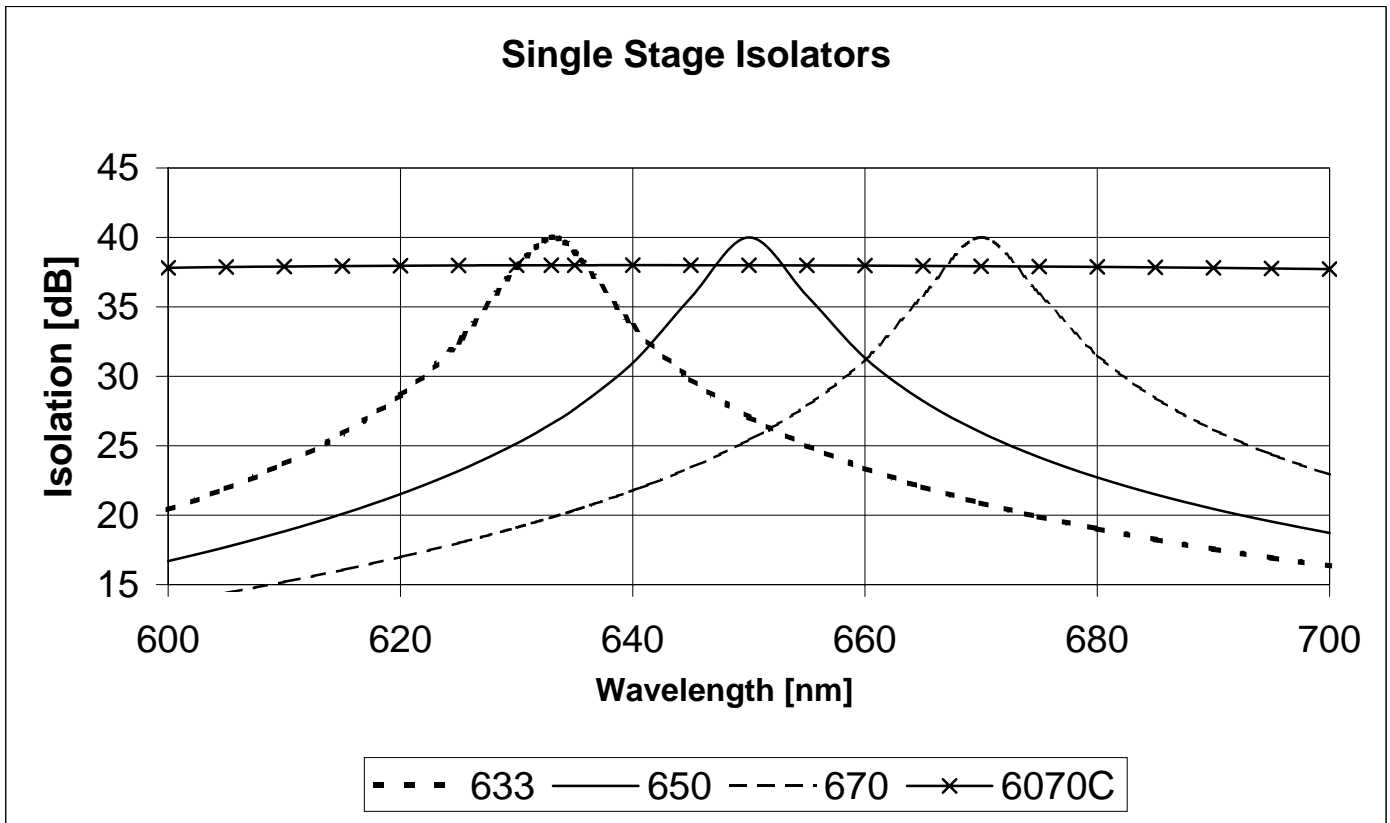
Wavelength Options

- *All isolators may be ordered centered anywhere between 600 and 700nm. Isowave will optimize on best effort basis using available lasers, or customer supplied laser for alignment and test.
- * C models are optimized at 633nm as standard and work over the entire 600-700nm wavelength range without tuning
- * Low Power models will have higher insertion loss.



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